1: Jochelson E-5 (1900-01) 1908 RY4 Koryak RY4

It is hardly necessary to say that the species of fish caught by the Koryak are the same as those on the American side of Bering Sea, but they differ from those of the arctic rivers west of the Stanovoi Ridge. There we find mainly the *Coregonida*, which ascend the rivers from the polar sea, while in the Koryak waters the *Salmonida* (especially of the genus *Oncorhynchus*) are of greatest importance.

INFLUENCE OF CLIMATIC CONDITIONS UPON PROGRESS. — From this brief description of the nature of the region, it may be seen to what extent its form of culture depends upon surrounding conditions. It can hardly be expected that under such a climate the manner of existence can be materially changed. In the far north, material culture depends more upon the degree of latitude than upon human efforts. Agriculture is impossible, because the earth does not thaw out to a sufficient depth; the soil is mostly marshy; and the temperature is too low for the growth of cereals.

In 1901 there were in Gishiginsk only seventy-eight days without frosts, which is not a sufficiently long period for the growth of cereals. This time is in reality still more curtailed, since the growth of cereals does not begin, or stops if already begun, till the temperature is somewhat above the freezing-point. Botanists regard the temperature above 6° C. as a necessary one for the growth of cereals.

Taking into consideration the poor quality of the grasses, and the enormous expanses covered with moss, lichen, and marshes, cattle-breeding as an industry is also impossible. As we shall see below, the efforts of the Russian Administration to develop cattle-breeding among the Russianized Maritime Koryak of Kamchatka and the Okhotsk district — that is, in the more southern parts of the territory — has met with very little success.

The fur-trade cannot be regarded as a means of improving the general welfare of the natives, since, aside from the fact that the profits derived from it remain in the hands of unscrupulous traders, the number of fur-bearing animals is rapidly decreasing, owing to their ruthless destruction.

Fishing and the hunting of sea-mammals, as indicated above, can be carried on in the summer only; so that during the long winter the Maritime population have to depend exclusively upon their summer supplies.

Reindeer-breeding, though affording a more reliable source of sustenance to the wandering Reindeer people than that offered by hunting and fishing to the Maritime people, is still in a most primitive state. The type of a Reindeer household has so far remained unchanged, contact with Russian civilization for a century and a half not having exercised any influence upon it. This primitive state of the material life of the Koryak, left almost intact by outside influence, determines the primitive state of their mental culture.

17:Antropova E-4 (no date) 1964 RY4 Koryak RY4

members lived permanently in the villages, engaging in fishing and other work.

The work and life of the herders has also been organized quite differently from what was the case in the past. Each herding brigade has a yaranga. The brigade usually consists of 4-5 herders, a brigadier, a timekeeper and a woman "tent worker," whose duties include preparation of hot meals, mending clothes, and keeping the tent clean.

There are also new elements in the technique of pasturing. Especial stress is laid today on cultivation of new pastures and planned utilization of the old. The collective herd is distributed among various pastures, and an exact itinerary and timetable are set for the herd's migrations. For the purpose of guarding the herd and preserving the young, as well as for the better organization of pasturing and saving of labor, the herders today use riding horses in summer, and reindeer dogs in winter—a method entirely unknown to the Koryaks in the past. Various new methods in the organization and technique of reindeer-breeding are combined with expanded veterinary services. Energetic struggle is waged with epizootics, measures are taken to improve the breed of the reindeer, and so forth.

In 1947 an agricultural school for leading collective-farm personnel was opened in the village of Palana. This school trains specialists in reindeer-breeding—brigadiers, timekeepers, etc.

The collectives of the Koryak National Okrug own herds of many thousands of reindeer, and the productivity of the reindeer-breeding farms is rising. Thus, the Kirov collective (Tigil'skiy Rayon) increased its reindeer herd several times over during the postwar years. The incomes of the collectives in this branch of their economy have risen correspondingly.

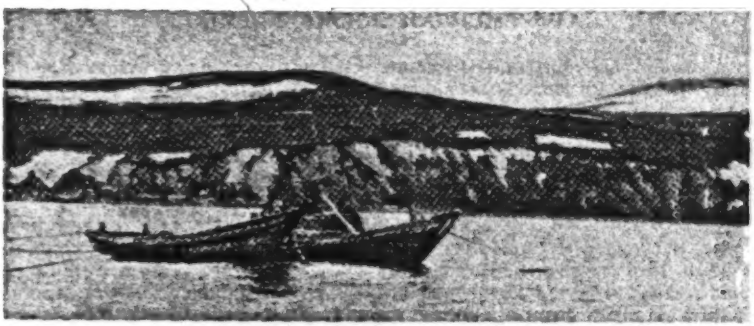
In the coastal collectives, the principal occupation is fishing. The development of fishing collectives is closely connected with the development of the fishing industry in the Koryak National Okrug. During the Five-Year Plans, a large, technically well-equipped socialist fishing industry of nationwide importance has been created in the Koryak National Okrug. The establishment of industrial fishing has greatly affected the development and consolidation of fishing collectives.

The fishing cooperatives are served by the Motor-Fishing Stations (MRS), which have charge of motorized and motorless fleets. The MRS conduct activities to improve the fishermen's skills, teaching the Koryak collective-farm members new skills as brigadiers, motormen, etc. The chief fishing tools today, in place of the old primitive nets, are new and improved stationary, sweep and bag nets. The skin baydar has been entirely supplanted by motored and special motorless boats.

Along with the principal branches of activity, such as fishing and reindeer-breeding, the Koryak collectives are developing gardening and livestock-raising. Attempts to expand agricultural activities were made before the Revolution as well, but even among the sedentary Koryaks they produced no substantial results. The poorly worked earth gave low yields, and the crops often were killed by early frosts. Besides, the Koryaks had very inadequate knowledge of tending gardens or the use of agricultural tools. Livestock-breeding fared no better; the maintenance of livestock on green fodder all year lowered the milk yield of the cows to a minimum.

Gardening and animal husbandry began to develop among the Koryaks after 1930. A large role in this was played by Russian workers and the local Soviet intelligentsia, who helped the collective livestock-breeders and gardeners both by personal example and by teaching them. Quite often, Russian women came to the collectives and demonstrated methods of planting and preparing vegetables; they also taught the Koryaks how to tend

17:Antropova E-4 (no date) 1964 RY4 Koryak RY4



Catching salmon with stationary seines. Molotov collective, Olyutorskiy Rayon, Kamchatskaya Oblast.

cattle. The most favorable conditions for the development of vegetable-gardening exist in the Tigil'skiy Rayon. Today, some of the collectives of this rayon not only produce enough vegetables to meet their own needs, but also grow them for sale.

The income of the collectives from auxiliary enterprises, and principally from fur-hunting, is also rising.

At present, there are several millionaire collectives in the Koryak National Okrug. On the leading collective of the Tigil'skiy Rayon, the Kirov collective, the capital fund reached the figure of 2,000,000 rubles in 1951. This collective was organized in 1941 on the basis of an association for the common pasturing of reindeer. The funds of other collectives are also rising. In 1951, the capital funds of the "Path of the North" and the "Beacon of the North" collectives of Penzhinskiy Rayon reached 1,500,000 rubles.

Simultaneously with the growth and consolidation of the collective farms, there is improvement in the life of the Koryak collective-farm members. The collective villages have become larger and more comfortable. The old semidugout has almost disappeared. Today the collective-farm members live in houses of the Russian type—spacious wooden houses with glass windows. Many new villages have sprung up in the tundra as a result of the transition to sedentary life and the enlargement of collective farms. These include Sedanka Kochevaya (Tigil'skiy Rayon), Krestovoye (Penzhinskiy Rayon), the I. V. Stalin collective-farm village (Penzhinskiy Rayon), and others. In the Karaginskiy Rayon, at a spot where there was only one dugout in 1934, there is today a new rayon center—the large village of Ossora.

The modern Koryak village usually consists of several dozen dwellings and farm buildings, as well as buildings housing cultural and other institutions. Among the collective-farm buildings we must note the stables, which are an innovation among the Koryaks. In all the villages there are bathhouses, bakeries and stores. A great deal of attention is paid to the construction of cultural institutions. In every village there is a school (often with a dormitory), a club or a reading room with a library, a medical or a medical-assistant station, and a nursery. Many villages have been supplied with electricity and radio.

The former dispersion of individual areas of Koryak habitation is steadily being overcome. The means of local communication are being improved. Motorized transport (cutters, etc.) is widely used in